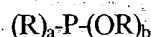


What is claimed is:

1. A radiation-curable coating composition which comprises at least one radiation-curing organopolysiloxane having (meth)acrylate ester groups, an additive to compensate the inhibition caused by oxygen in the course of curing, and, optionally, photoinitiators, customary auxiliaries and/or adjuvants, wherein said additive comprises at least one antioxidant from the group of the phosphorus(III) compounds and/or sulfur compounds.

2. The radiation-curable coating composition as claimed in claim 1, wherein antioxidants are compounds of the general formula

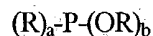


in which the radicals

R are identical or different and are aliphatic, cycloaliphatic, aromatic, araliphatic or heterocyclic radicals and

a and b can be from 0 to 3, where a + b must be 3.

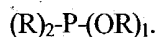
3. The radiation-curable coating composition as claimed in claim 2, wherein antioxidants are compounds of the general formula



wherein

R denotes aromatic and/or aliphatic radicals.

4. The radiation-curable coating composition as claimed in claim 2, wherein antioxidants are compounds of the general formula



5. The radiation-curable coating composition as claimed in claim 2, wherein antioxidants are compounds of the general formula



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6. The radiation-curable coating composition as claimed in claim 1, wherein antioxidants are compounds which have a melting point of below about 80°C.

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7. The radiation-curable coating composition as claimed in claim 1, wherein antioxidants are compounds which are liquid at room temperature and are compatible with the silicone matrix.

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8. The radiation-curable coating composition as claimed in claim 3, which is a UV curing coating composition.

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9. The radiation-curable coating composition according to claim 1, wherein the antioxidant is selected from the group consisting of triphenyl phosphite, diphenyl isodecyl phosphite, diphenyl isooctyl phosphite, phenyl diisodecyl phosphite, triisodecyl phosphite, triisobutyl phosphite, tris(2-ethylhexyl) phosphite, tris(tridecyl) phosphite, trilauryl phosphite, 4,4'-butylidene-bis(3-methyl-6-t-butylphenyl)ditridecyl phosphite, neopentanetetrayl bis(octadecyl) phosphite, tris(nonylphenyl) phosphite, tris(mono- and/or dinonylphenyl) phosphite, diisodecyl pentaerythritol diphosphite, tetraphenyl dipropylene glycol diphosphite, poly(dipropylene glycol) phenyl phosphite, alkyl (C<sub>10</sub> to C<sub>15</sub>) bisphenol A phosphite, tris(dipropylene glycol) phosphite, dioleyl hydrogen phosphite, 9,10-dihydro-9-oxa-10-phosphaphenanthrene 10-oxide, 10-(3,5-di-t-butyl)-4-hydroxybenzyl-9,10-dihydro-9-oxa-10-phosphaphenanthrene 10-oxide, 10-decyloxy-9,10-dihydro-9-oxa-10-phosphaphenanthrene, tris(2,4-di-t-butylphenyl) phosphite, cyclic neopentanetetrayl bis(2,4-di-t-butylphenyl) phosphite, cyclic neopentanetetrayl bis(2,6-di-t-butyl-4-methylphenyl) phosphite, 2,2-methylenebis(4,6-di-t-butylphenyl)octyl phosphite, distearyl pentaerythritol diphosphite, di(2,4-di-t-butylphenyl) phosphite, tetrakis(2,4-di-t-butylphenyl)-4,4-biphenylene diphosponite, bis(2-ethylhexyl) 2-ethylhexylphosphonate, dibutyl butyl phosphonate, triisooctylphosphine, triphenylphosphine, and phenyl-diisooctylphosphine.

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10. The radiation-curable coating composition according to claim 1, wherein the antioxidant is selected from the group consisting of dilauryl 3,3'-thiodipropionate, dimyristyl 3,3'-thiodipropionate, distearyl 3,3'-thiodipropionate, 2-mercaptobenzimidazole, n-dodecylthiol, tetrakis(methylene-3-(laurylthio)propionatomethane, stearylthiopropylamide, distearyl disulfide, 3,3-thio-di(propionic acid lauryl ester), 3,3-thio-di(propionic acid stearyl ester), dioctadecyl disulfide, thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate], 4,6-bis(octylthiomethyl)-o-cresol, 4,4'-thiobis(2-t-butyl-5-methylphenol), 4,4'-thiobis(6-t-butyl-5-methylphenol), and zinc dialkyldithiophosphates.  
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- 10 11. An adhesive coating composition which comprises an adhesive and the radiation-curable coating composition as claimed in claim 1.
12. An article which is coated with the adhesive coating composition according to claim 11.
- 15 13. The article according to claim 12, which is a web material.
14. The article according to claim 13 wherein the web material is a plastic, metal or paper.
- 20 15. A radiation-curing paint which comprises a pigment and the radiation-curable coating composition according to claim 1.